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**INFORMATION DISCLOSURE  
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Page 1 of 5

**Complete if Known**

Application Number	09/688,017
Filing Date	October 13, 2000
First Named Inventor	Lu, Peter S., et. al.
Art Unit	1644
Examiner Name	DeCloux, Amy M.
Attorney Docket Number	020054-001110US

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HAB	A1	US-5,632,994	05/27/97	Reed et al.	
	A2	US-5,747,245	05/05/98	Reed et al.	
	A3	US-5,876,939	03/02/99	Reed et al.	
	A4	U.S. Application No. 07/724,553		Lu et al.	
HAB	A5	U.S. Application No. 09/722,069		Lu et al.	

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
HAB	B1	PCT	WO 98/05347	A1	02-12-1998			<input type="checkbox"/>
	B2	PCT	WO 98/23781	A1	06-04-1998			<input type="checkbox"/>
	B3	PCT	WO 98/40407	A1	09-17-1998			<input type="checkbox"/>
	B4	PCT	WO 99/03974	A1	01-28-1999			<input type="checkbox"/>
	B5	PCT	WO 99/07846	A1	02-18-1999			<input type="checkbox"/>
	B6	PCT	WO 00/15794	A1	03-23-2000			<input type="checkbox"/>
	B7	PCT	WO 00/31124	A2	06-02-2000			<input type="checkbox"/>
	B8	PCT	WO 00/48002	A1	08-17-2000			<input type="checkbox"/>
	B9	PCT	WO 00/69896	A2	11-23-2000	Arbor Vita Corp		<input type="checkbox"/>
	B10	PCT	WO 00/69897	A2	11-23-2000	Arbor Vita Corp		<input type="checkbox"/>
	B11	PCT	WO 00/69898	A2	11-23-2000	Arbor Vita Corp		<input type="checkbox"/>
HAB	B12	PCT	WO 02/42422	A2	05-30-2002	Arbor Vita Corp		<input type="checkbox"/>

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Examiner Name	DeCloux, Amy M.
Attorney Docket Number	020054-001110US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MB	C1	Altin, J. and Sloan, E. "The role of CD45 and CD45-associated molecules in T cell activation" <i>Immunology and Cell Biology</i> , 1997, pp. 430-445, Vol. 75.	
	C2	Bals, R. et al. "Augmentation of Innate Host Defense by Expression of a Cathelicidin Antimicrobial Peptide", <i>Infection and Immunity</i> , November 1999, pp. 6084-6089, Vol. 67, No. 11.	
	C3	Barclay, A., et al., "The Leukocyte Antigen Factsbook", <i>Harcourt Braces &amp; Company</i> , page 363, (1997).	
	C4	Bruyns, E. et al. "Identification of the Sites of Interaction between Lymphocyte Phosphatase-associated Phosphoprotein (LPAP) and CD45", <i>Journal of Biological Chemistry</i> , December 29, 1996, pp. 31373-31376, Vol. 270, No. 52, U.S.A.	
	C5	Cherukuri, A. et al. "Floating the raft hypothesis: lipid rafts play a role in immune cell activation", <i>Immunity</i> , June 2001, pp.657-660, Vol. 14, Cell Press.	
	C6	Ding, I. Et al., "Biochemical and Functional Analysis of Mice Deficient in Expression of the CD45-Associated Phosphoprotein LPAP", <i>European Journal of Immunology</i> , 29(12):3956-61 (1999).	
	C7	Doyle, D. A., et al., "Crystal structures of a complexed and peptide-free membrane protein-binding domain: molecular basis of peptide recognition by PDZ", <i>Cell</i> , 85(7):1067-76, (1996).	
	C8	Faulkner, G. et al. "A New Z-band Alternatively Spliced PDZ-motif Protein." <i>The Journal of Cell Biology</i> , July 26, 1999; pp. 465-475, Vol. 146, No. 2.	
	C9	Gardioli, D. et al. "Oncogenic human papillomavirus E6 proteins target the discs large tumour suppressor for proteasome-mediated degradation", <i>Oncogene</i> , 18(40):5487-5496, (1999).	
	C10	Gee, S.H., et al., "Cyclic Peptides as Non-carboxyl-terminal Ligands of Syntrophin PDZ Domains", <i>The Journal of Biological Chemistry</i> , 273(34):21980-21987, (1998).	
	C11	Hanada, T., et al., "Human Homologue of the Drosophila Discs Large Tumor Suppressor Binds to p56 <sup>lck</sup> Tyrosine Kinase and Shaker Type Kv1.3 Potassium Channel in T. Lymphocytes", <i>The Journal of Biological Chemistry</i> , 272(43):26899-26904, (1997).	
	C12	Kiyono, T. et al. "Binding of high-risk human papillomavirus E6 oncoproteins to the human homologue of the Drosophila discs large tumor suppressor protein", <i>Proc. Natl. Acad. Sci.</i> , October 1997, pp. 11612-11616, Vol. 94, U.S.A.	
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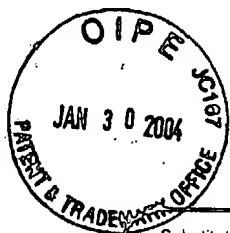
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		Application Number	09/688,017		
		Filing Date	October 13, 2000		
		First Named Inventor	Lu, Peter S., et. al.		
		Art Unit	1644		
		Examiner Name	DeCloux, Amy M.		
Page	3	of	5	Attorney Docket Number	020054-001110US

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MB	C14	Maekawa, K., et al., "Association of Protein-Tyrosine Phosphatase PTP-BAS with the Transcription-factor-inhibitory Protein Ix $\beta$ Through Interaction Between the PDZ1 Domain and Ankyrin Repeats", <i>Biochemical Journal</i> , 337(2):179-187, (1999).	
	C15	McKusick, Victor A.; OMIM Database entry entitled, '147138 Fc Fragment of IgE, High Affinity I, Receptor for, Beta Subunit; FCER1B', www.ncbi.nlm.nih.gov/htbin-post/Omim/dispim?147138, 08/27/1992.	
	C16	Nagase, T. et al. "Prediction of the Coding Sequence of Unidentified Human Genes. V1. The Coding Sequences of 80 New Genes (KIAA0201-KIAA0280) Deduced by Analysis of cDNA Clones from Cell Line KG-1 and Brain", <i>DNA Research</i> , 1996, pp. 321-329, Vol. 3.	
	C17	Nagase, T. et al. "Prediction of the Coding Sequence of Unidentified Human Genes. V1. The Coding Sequences of 80 New Genes (KIAA0201-KIAA0280) Deduced by Analysis of cDNA Clones from Cell Line KG-1 and Brain (Supplement)", <i>DNA Research</i> , 1996, pp. 341-354, Vol. 3, Supplement.	
	C18	Nishihara, H. et al. "Non-adherent cell-specific expression of DOCK2, a member of the human CDM-family proteins", <i>Biochimica et Biophysica Acta</i> , 1999, pp. 179-187, Elsevier Publishing.	
	C19	Nishihara, H. "Analysis of Hematopoietic Cell Specific Protein, M-DOCK", <i>Hokkaido Igaku Zasshi</i> , March 1999, p. 157-166, Vol. 74, No. 2.	
	C20	Patel, V. et al., "A Molecular Framework for 2-Step T Cell Signaling: Lck Src Homology 3 Mutations Discriminate Distinctly Regulated Lipid Raft Reorganization Events", <i>Journal of Immunology</i> , 166(2):754-64 (2001).	
	C21	Rasooly, Rebekah S.; OMIM Database entry entitled, "603122 Dedicator of Cytokinesis 2; Dock 2" www.ncbi.nlm.nih.gov/htbin-post/Omim/dispim?603122, 10/12/1998.	
	C22	Reynaud, C. et al., "The PDZ Protein TIP-1 Interacts with the Rho Effector Rhotekin and Is Involved in Rho Signaling to the Serum Response Element", <i>The Journal of Biological Chemistry</i> , 275(43):33962-33968, (2000).	
	C23	Rousset, R., et al., "The C-terminus of the HTLV-1 Tax oncoprotein mediates interaction with the PDZ domain of cellular proteins" <i>Oncogene</i> , 16(5):643-54, (1998).	
MB	C24	Saras, J., et al., "PDZ Domains Bind Carboxy-Terminal Sequences of Target Proteins", <i>Tibs Trends in Biochemical Sciences</i> , en, Elsevier Publication, Cambridge, 21(12):455-458, (1996).	

Examiner Signature		Date Considered	3/22/04
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MB	C25	Schepens, J., et al., "The Neuronal Nitric Oxide Synthase PDZ Motif Binds to -G(D.E)XV Carboxy Terminal Sequences", <i>Febs Letters</i> , 409(1-2):53-56, (1997).	
	C26	Schraven, Burkhardt et al. "LPAP, a Novel 32-kDa Phosphoprotein That Interacts With CD45 in Human Lymphocytes", <i>J. Biological Chemistry</i> , Nov. 18, 1994; pp. 29102-29111, Vol. 269, No. 46.	
	C27	Shibuya, A., et al., "DNAM-1, A Novel Adhesion Molecule Involved in the Cytolytic Function of T Lymphocytes", <i>Immunity</i> , 4:573-581, (1996).	
	C28	Shibuya, A., et al., "Protein Kinase C is Involved in the Regulation of Both Signaling and Adhesion Mediated by DNAX Accessory Molecule-1 Receptor", <i>The Journal of Immunology</i> , 161:1671-1676, (1998).	
	C29	Shibuya, K., et al., "Physical and Functional Association of LFA-1 with DNAM-1 Adhesion Molecule", <i>Immunity</i> , 11:615-623, (1999).	
	C30	Suzuki, T., et al., "Tax oncoprotein of HTLV-1 binds to the human homologue of Drosophila discs large tumor suppressor protein, hDLG, and perturbs its function in cell growth control", <i>Oncogene</i> , 18(44):5967-72, (1999).	
	C31	Vallenius, T. et al. "CLP-36 PDZ-LIM Protein Associates with Nonmuscle alpha-Actinin-1 and alpha-Actinin-4." <i>The Journal of Biological Chemistry</i> , April 14, 2000; pp. 11100-11105, Vol. 275, No. 15.	
	C32	Wechsler, A. et al. "Brain Spectrin binding to the NMDA receptor is regulated by phosphorylation, calcium and calmodulin." <i>The EMBO Journal</i> , 1998, pp. 3931-3939, Vol. 17, No. 14.	
	C33	Xia, H. et al. "Actinin-associated LIM Protein: Identification of a Domain Interaction between PDZ and Spectrin-like Repeat Motifs", <i>The Journal of Cell Biology</i> , October 1997, pp. 507-515, Vol. 139, No. 2.	
	C34	Yanagisawa, J., et al., "The Molecular Interaction of Fas and FAP-1. A tripeptide blocker of human Fas interaction with FAP-1 promotes Fas-induced apoptosis", <i>J. Biol. Chem.</i> , 272(13):8539-8545, (1997).	
	C35	GenBank, Accession Number AF028823, 12/01/1999	
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	C37	GenBank, Accession Number CB131761, 01/29/2003	
MB	C38	GenBank, Accession Number CB961389, 04/28/2003	

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